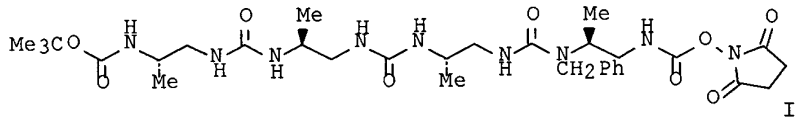
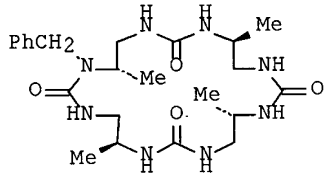
L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS
AN 2001:923779 CAPLUS
DN 136:53771
TI Preparation of cyclic urea compounds
IN Rodriguez, Marc; Guichard, Gilles; Plaue, Serge; Semetey, Vincent; Schaffner, Arnaud-Pierre; Briand, Jean-Paul
PA Centre National de la Recherche Scientifique, Fr.; Neosystem; Galas-Rodriguez, Marie-Christine; Rodriguez, Pierre; Rodriguez, Elisa; Rodriguez, Romain
SO PCT Int. Appl., 103 pp.
CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001096318	A1	20011220	WO 2001-FR1837	20010613
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	FR 2810039	A1	20011214	FR 2000-7507	20000613
PRAI	FR 2000-7507	A	20000613		

OS MARPAT 136:53771
GI



I



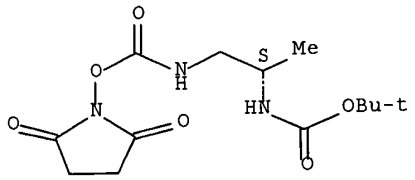
II

AB The invention concerns a method for prepg. cyclic urea compds. from an activated carbamic acid deriv. contg. an unprotected primary or secondary amine function, by reaction between the primary or secondary amine function and the carbamic acid function of the carbamic acid deriv. Thus, the protected amine I was de-tert.-butoxycarbonylated and cyclized with EtN(CHMe2)2 to give the cyclic urea II.

IT **254100-96-4 254100-98-6**
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclization of amino carbamates to cyclic ureas)

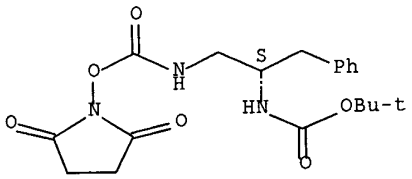
RN 254100-96-4 CAPLUS
CN Carbamic acid, [(1S)-2-[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]-1-methylethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 254100-98-6 CAPLUS
CN Carbamic acid, [(1S)-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]-2-phenylethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

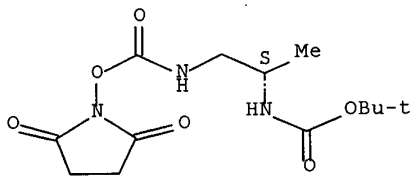
Absolute stereochemistry. Rotation (-).



RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS
AN 2001:167650 CAPLUS
DN 135:5262
TI (S)-O-Succinimidyl N-[2-(tert-butoxycarbonylamino)propyl]carbamate
AU Menschise, Valeria; Didierjean, Claude; Semetey, Vincent; Guichard, Gilles; Briand, Jean Paul; Aubry, Andre
CS Faculte des Sciences, Groupe Biocristallographie, UPRESA no 7036, Nancy I, Laboratoire de Cristallographie et Modelisation des Materiaux Mineraux, et Biologiques (LCM3B), Universite Henri Poincare, Vandoeuvre les Nancy, 54506, Fr.
SO Acta Crystallographica, Section E: Structure Reports Online (2001), E57(3), o222-o224
CODEN: ACSEBH; ISSN: 1600-5368
URL: http://journals.iucr.org/e/issues/2001/03/00/ya6006/ya6006.pdf
PB International Union of Crystallography
DT Journal; (online computer file)
LA English
AB The mol. of activated carbamate, (S)-2,5-dioxopyrrolidin-1-yl N-[2-(tert-butoxycarbonylamino)propyl]carbamate, tBuOCONHCH(Me)CH2NHCOONC4H4O2 or C13H21N3O6, prepd. from N-Boc-.beta.3HAla-OH, assumes a folded conformation with the N-C-C-N torsion angle equal to 55.9 (3).degree.. Both N-H groups are involved in intermol. hydrogen bonds, forming infinite chains in the crystal.
IT **254100-96-4**
RL: PRP (Properties)
(crystal structure; crystal structure of (S)-O-succinimidyl N-[2-(tert-butoxycarbonylamino)propyl]carbamate)
RN 254100-96-4 CAPLUS
CN Carbamic acid, [(1S)-2-[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]-1-methylethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



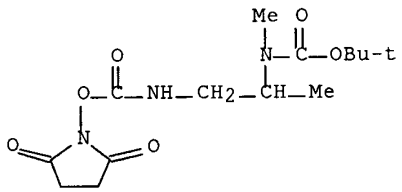
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

Appl'n

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS
AN 2000:493513 CAPLUS
DN 133:105350
TI Preparation of stable activated peptide carbamic acids via azidolysis and carbamoylation and use for preparing urea
IN Rodriguez, Marc; Guichard, Gilles; Semetey, Vincent; Briand, Jean-Paul
PA Centre National de la Recherche Scientifique, Fr.; Galas-Rodriguez, Marie-Christine; Rodriguez, Pierre; Rodriguez, Elisa; Rodriguez, Romain; Neosystem
SO PCT Int. Appl., 174 pp.
CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000042009	A1	20000720	WO 2000-FR80	20000114
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	FR 2788518	A1	20000721	FR 1999-330	19990114
	EP 1140822	A1	20011010	EP 2000-900588	20000114
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI	FR 1999-330	A	19990114		
	WO 2000-FR80	W	20000114		

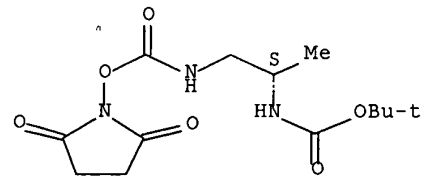
OS CASREACT 133:105350; MARPAT 133:105350
AB The invention concerns the use of isocyanates obtained from amino acid derivs. for prepg. and optionally isolating stable activated carbamic acid peptides. or stable activated carbamates. Thus, Boc-Gly-gIle-CO2Su (Su = succinimidyl) was prepd. from protected peptide Boc-Gly-Ile-OH in 4 steps via azidolysis and isocyanate intermediate with 87 % yield.
IT **284049-06-5**
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. of stable activated peptide carbamic acids from protected peptides via azidolysis and carbamoylation reactions)
RN 284049-06-5 CAPLUS
CN Carbamic acid, [2-[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]-1-methylethyl]methyl-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



IT **254100-96-4P 254100-98-6P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of stable activated peptide carbamic acids from protected peptides via azidolysis and carbamoylation reactions)

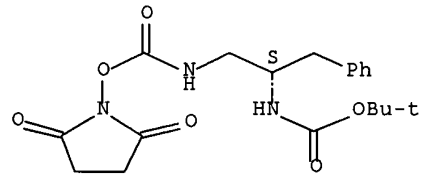
RN 254100-96-4 CAPLUS
CN Carbamic acid, [(1S)-2-[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]-1-methylethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 254100-98-6 CAPLUS
CN Carbamic acid, [(1S)-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]-2-phenylethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

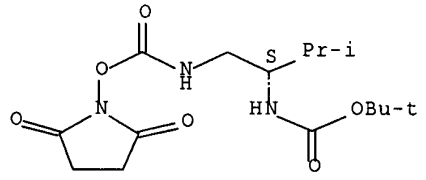
Absolute stereochemistry. Rotation (-).



IT **254100-97-5P 254100-99-7P 254101-00-3P**
270575-71-8P 270575-72-9P 270575-73-0P
270575-74-1P 270575-75-2P 270575-76-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of stable activated peptide carbamic acids from protected peptides via azidolysis and carbamoylation reactions)

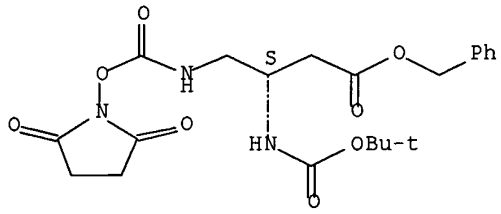
RN 254100-97-5 CAPLUS
CN Carbamic acid, [(1S)-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]-2-methylpropyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



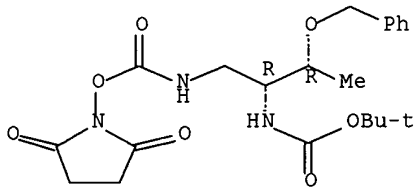
RN 254100-99-7 CAPLUS
CN Butanoic acid, 3-[[(1,1-dimethylethoxy)carbonyl]amino]-4-[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]-, phenylmethyl ester, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



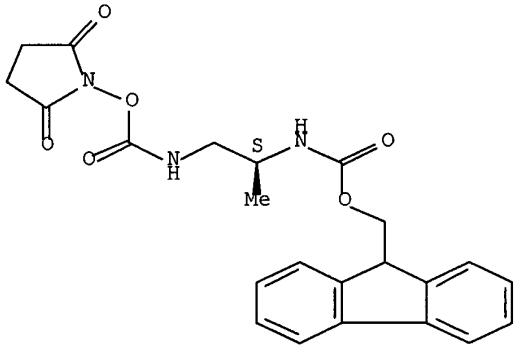
RN 254101-00-3 CAPLUS
CN Carbamic acid, [(1R,2R)-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]-2-(phenylmethoxy)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



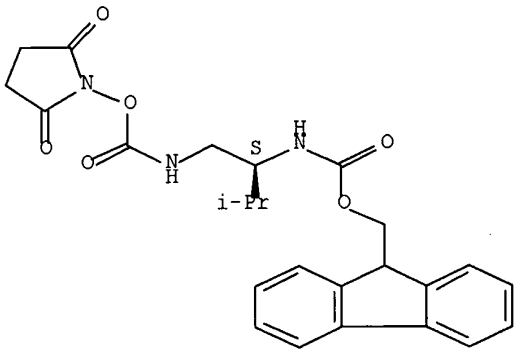
RN 270575-71-8 CAPLUS
CN Carbamic acid, [(1S)-2-[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]-1-methylethyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



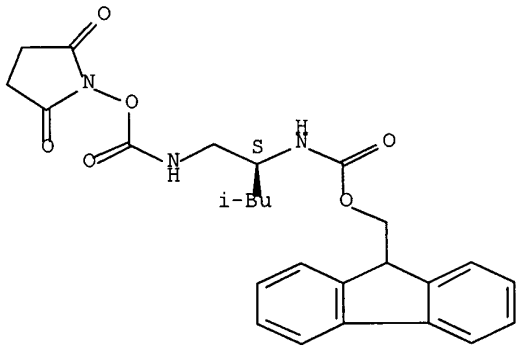
RN 270575-72-9 CAPLUS
CN Carbamic acid, [(1S)-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]-2-methylpropyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



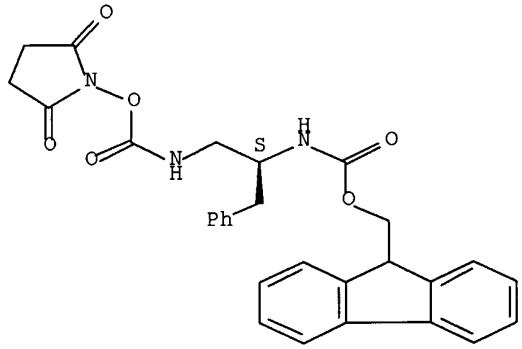
RN 270575-73-0 CAPLUS
CN Carbamic acid, [(1S)-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]-3-methylbutyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 270575-74-1 CAPLUS
CN Carbamic acid, [(1S)-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]-2-phenylethyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

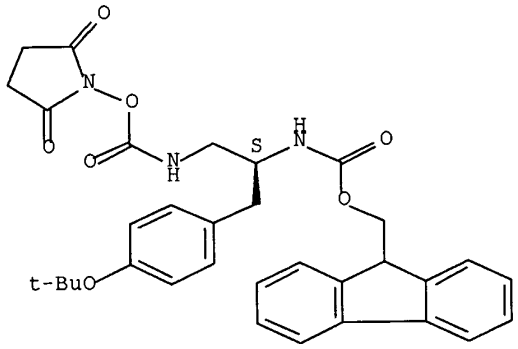
Absolute stereochemistry. Rotation (-).



RN 270575-75-2 CAPLUS
CN Carbamic acid, [(1S)-2-[4-(1,1-dimethylethoxy)phenyl]-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]ethyl]-, 9H-fluoren-9-ylmethyl

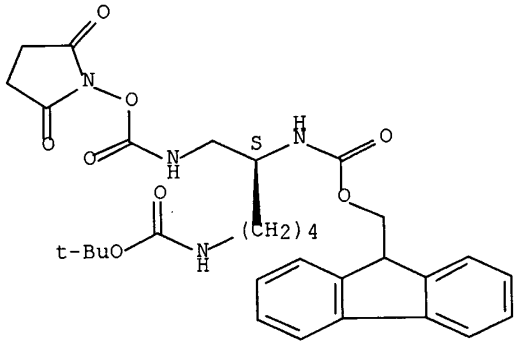
ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



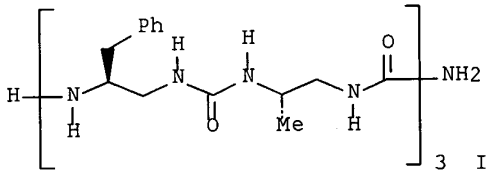
RN 270575-76-3 CAPLUS
CN Carbamic acid, [(1S)-5-[[(1,1-dimethylethoxy)carbonyl]amino]-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]pentyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

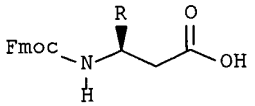


RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS
AN 2000:177115 CAPLUS
DN 133:4952
TI Solid phase synthesis of oligoureas using O-succinimidyl (9H-fluoren-9-ylmethoxycarbonylamino)ethylcarbamate derivatives as activated monomers
AU Guichard, Gilles; Semetey, Vincent; Rodriguez, Marc; Briand, Jean-Paul
CS Laboratoire de Chimie Immunologique, UPR 9021 CNRS, Laboratoire de Chimie Immunologique, UPR 9021 CNRS, Institut de Biologie Moleculaire et Cellulaire, Strasbourg, 67084, Fr.
SO Tetrahedron Letters (2000), 41(10), 1553-1557
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 133:4952
GI



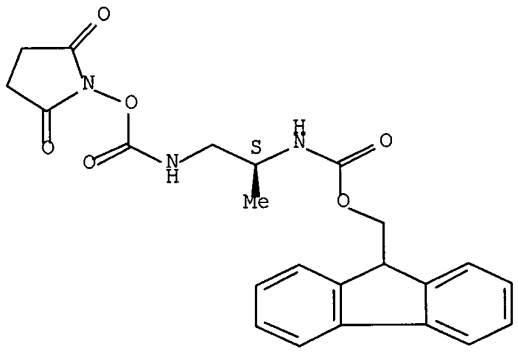
I



II

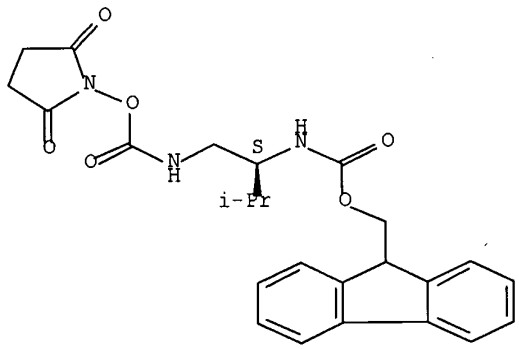
AB An efficient stepwise synthesis of oligoureas up to the nonamer, e.g. I, on solid support using O-succinimidyl-(9H-fluoren-9-ylmethoxycarbonylamino)ethylcarbamate derivs., e.g. II (R = PhCH2, Me), as activated monomers is described. These building blocks were readily prepd. starting from N-Fmoc-protected .beta.3-amino acids via Curtius rearrangement of the corresponding acyl azides and treatment of the resulting isocyanate with N-hydroxysuccinimide.
IT **270575-71-8P 270575-72-9P 270575-73-0P**
270575-74-1P 270575-75-2P 270575-76-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(conversion of Fmoc-protected .beta.-amino acids to succinimidyl aminoethylcarbamate active monomers for prepn. of oligoureas)
RN 270575-71-8 CAPLUS
CN Carbamic acid, [(1S)-2-[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]-1-methylethyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



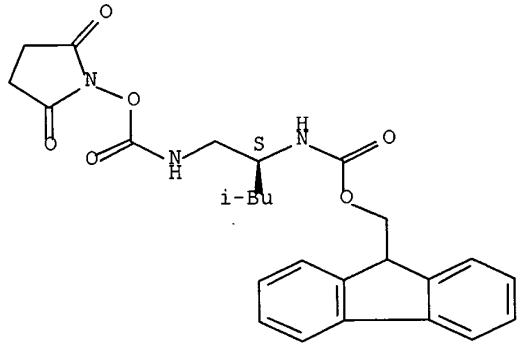
RN 270575-72-9 CAPLUS
CN Carbamic acid, [(1S)-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]-2-methylpropyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 270575-73-0 CAPLUS
CN Carbamic acid, [(1S)-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]-3-methylbutyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

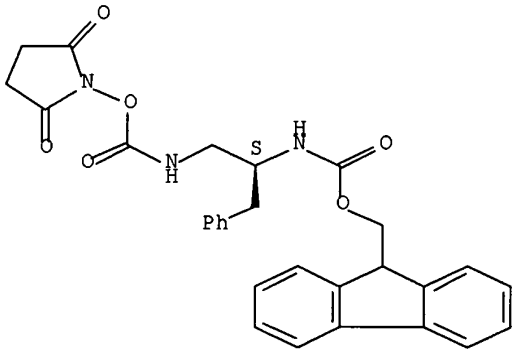
Absolute stereochemistry. Rotation (-).



RN 270575-74-1 CAPLUS
CN Carbamic acid, [(1S)-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]-2-phenylethyl]-, 9H-fluoren-9-

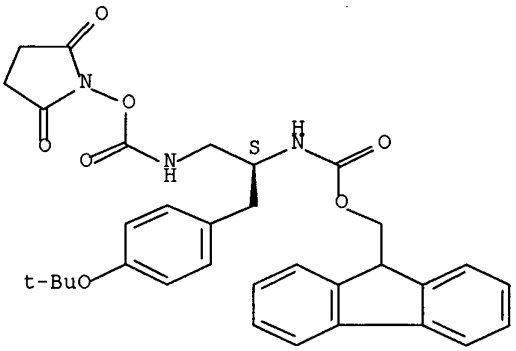
ylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



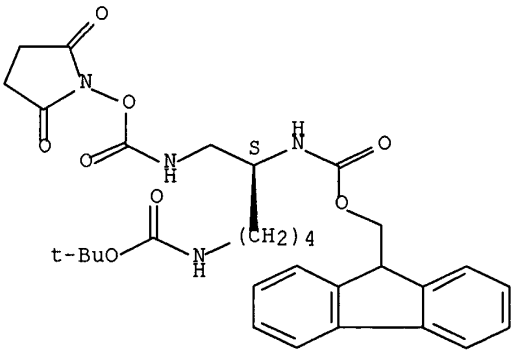
RN 270575-75-2 CAPLUS
CN Carbamic acid, [(1S)-2-[4-(1,1-dimethylethoxy)phenyl]-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]ethyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



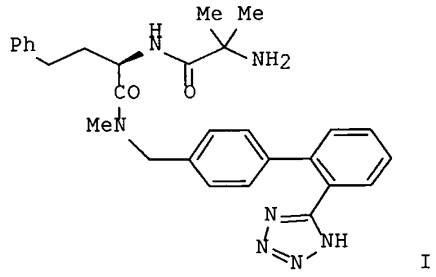
RN 270575-76-3 CAPLUS
CN Carbamic acid, [(1S)-5-[[(1,1-dimethylethoxy)carbonyl]amino]-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]pentyl]-, 9H-fluoren-9-ylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS
AN 1999:769088 CAPLUS
DN 132:137681
TI Acyclic structural variants of growth hormone secretagogue L-692,429
AU Lin, Peter; Pisano, Judith M.; Schoen, William R.; Cheng, Kang; Chan, Wanda W.-S.; Butler, Bridget S.; Smith, Roy G.; Fisher, Michael H.; Wyvratt, Matthew J.
CS Department of Medicinal Chemistry, Rahway, NJ, 07065, USA
SO Bioorganic & Medicinal Chemistry Letters (1999), 9(22), 3237-3242
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science Ltd.
DT Journal
LA English
GI

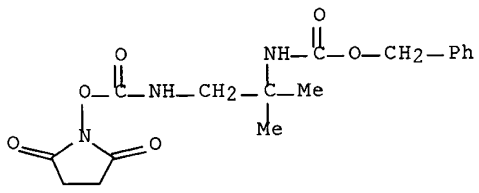


I

AB Starting with L-692,429 as a design template, several new acyclic growth hormone secretagogues were prepd. and evaluated for their hormone release activity in vitro. N-phenylamides derived by ring cleavage of L-692,429 were inactive. Arom. amino acid derivs. were active, the D-homophenylalanine derivs. being most active, with I having activity comparable to that of L-692,429.

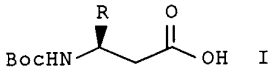
IT **256479-80-8**
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn. and activity of acyclic structural variants of growth hormone secretagogue L-692,429)

RN 256479-80-8 CAPLUS
CN Carbamic acid, [2-[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]-1,1-dimethylethyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

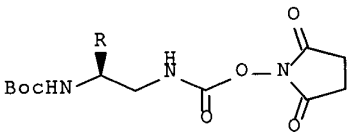


RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS
AN 1999:670476 CAPLUS
DN 132:78833
TI Effective preparation of O-succinimidyl-2- (tert-butoxycarbonylamino)ethylcarbamate derivatives from .beta.-amino acids. Application to the synthesis of urea-containing pseudopeptides and oligoureas
AU Guichard, Gilles; Semetey, Vincent; Didierjean, Claude; Aubry, Andre; Briand, Jean-Paul; Rodriguez, Marc
CS Laboratoire de Chimie Immunologique, UPR 9021 CNRS Institut de Biologie Moleculaire et Cellulaire, Strasbourg, 67000, Fr.
SO Journal of Organic Chemistry (1999), 64(23), 8702-8705
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
GI



I



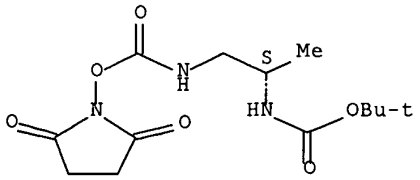
II

AB The authors report the application of Curtius rearrangement for the simple conversion of N-Boc-protected .beta.-amino acids I [R = H, Me, Pr-i, CH2Ph, CH2CO2CH2Ph, CH(Me)OCH2Ph, (CH2)4NHCO2C6H4Cl-2] into the corresponding O-succinimidyl-2-(tert-butoxycarbonylamino)ethylcarbamate derivs. II. II are stable, cryst. products that react readily with amines to form substituted ureas and then can be used as activated monomers in the synthesis of oligoureas.

IT **254100-96-4P 254100-97-5P 254100-98-6P 254100-99-7P 254101-00-3P 254101-01-4P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis of pseudopeptides and oligoureas from O-succinimidyl (Boc-amino)ethylcarbamate derivs., prepd. from .beta.-amino acids)

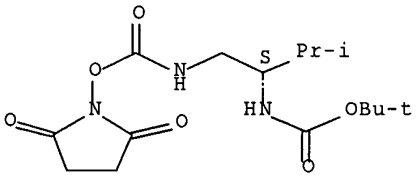
RN 254100-96-4 CAPLUS
CN Carbamic acid, [(1S)-2-[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]-1-methylethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



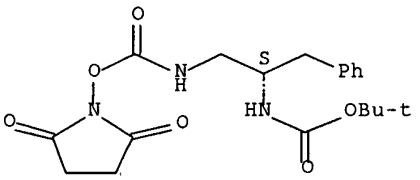
RN 254100-97-5 CAPLUS
CN Carbamic acid, [(1S)-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]-2-methylpropyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



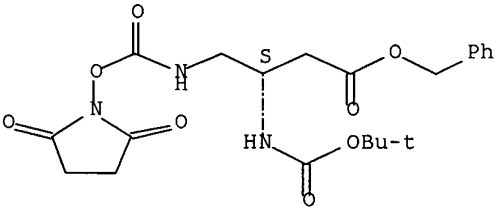
RN 254100-98-6 CAPLUS
CN Carbamic acid, [(1S)-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]-2-phenylethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



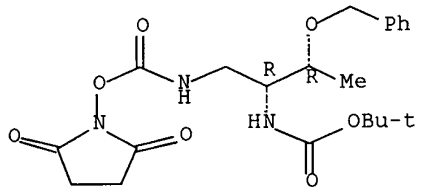
RN 254100-99-7 CAPLUS
CN Butanoic acid, 3-[[(1,1-dimethylethoxy)carbonyl]amino]-4-[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]-, phenylmethyl ester, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



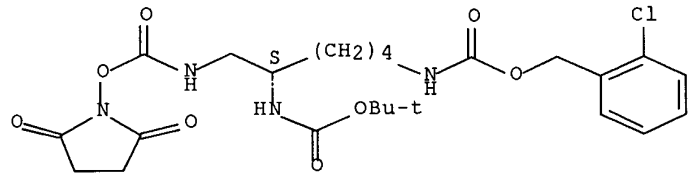
RN 254101-00-3 CAPLUS
CN Carbamic acid, [(1R,2R)-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]-2-(phenylmethoxy)propyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 254101-01-4 CAPLUS
CN Carbamic acid, [(1S)-5-[[[(2-chlorophenyl)methoxy]carbonyl]amino]-1-[[[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]amino]methyl]pentyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 1 OF 12 BEILSTEIN COPYRIGHT 2002 BEILSTEIN CDS MDL

Beilstein Records (BRN):	8600960
Chemical Name (CN):	<6-(2,5-dioxo-pyrrolidin-1-yloxycarbonylamino)-5-(9H-fluoren-9-ylmethoxycarbonylamino)-hexyl>-carbamic acid tert-butyl ester
Autonom Name (AUN):	<6-(2,5-dioxo-pyrrolidin-1-yloxycarbonylamino)-5-(9H-fluoren-9-ylmethoxycarbonylamino)-hexyl>-carbamic acid tert-butyl ester
Molec. Formula (MF):	C31 H38 N4 O8
Molecular Weight (MW):	594.66
Lawson Number (LN):	25671, 5573, 3111, 1762, 318
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	7289177
Tautomer ID (TAUTID):	8100536
Entry Date (DED):	2000/10/24
Update Date (DUPD):	2000/10/24

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Atom/Bond Notes:

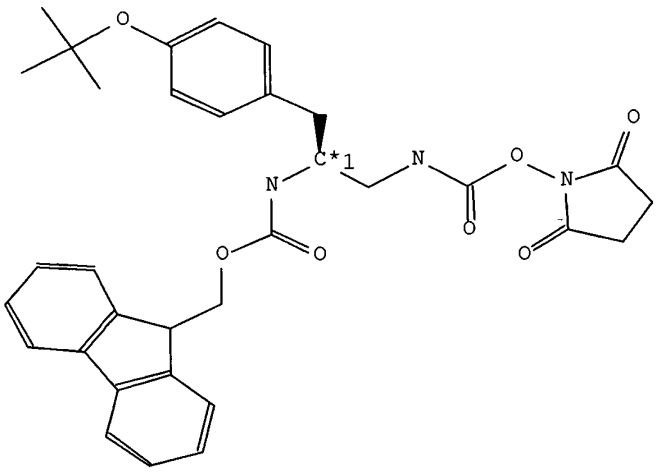
1. CIP Descriptor: S

Reference(s):

1. Guichard, Gilles; Semetey, Vincent; Rodriguez, Marc; Briand, Jean-Paul, Tetrahedron Lett., CODEN: TELEAY, 41(10), <2000>, 1553 - 1558; BABS-6233843

L7 ANSWER 2 OF 12 BEILSTEIN COPYRIGHT 2002 BEILSTEIN CDS MDL

Beilstein Records (BRN):	8599397
Molec. Formula (MF):	C33 H35 N3 O7
Molecular Weight (MW):	585.66
Lawson Number (LN):	25671, 14912, 5573, 1762, 318
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	7287362
Tautomer ID (TAUTID):	8098451
Entry Date (DED):	2000/10/24
Update Date (DUPD):	2000/10/24

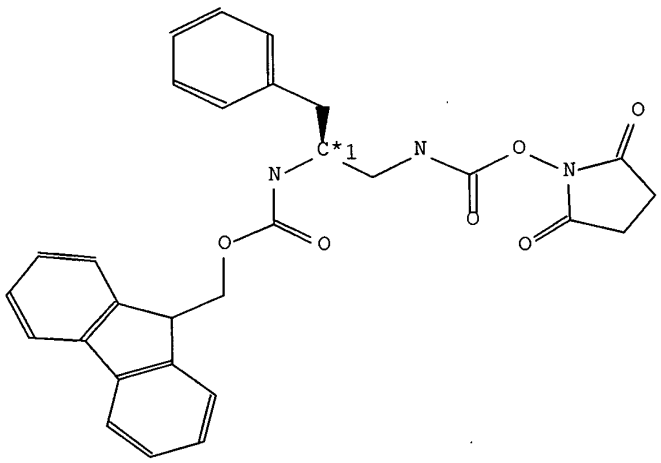


Reference(s):
1. Guichard, Gilles; Semetey, Vincent; Rodriguez, Marc; Briand, Jean-Paul, Tetrahedron Lett., CODEN: TELEAY, 41(10), <2000>, 1553 - 1558; BABS-6233843

Reference(s):
1. Guichard, Gilles; Semetey, Vincent; Rodriguez, Marc; Briand, Jean-Paul, Tetrahedron Lett., CODEN: TELEAY, 41(10), <2000>, 1553 - 1558; BABS-6233843

L7 ANSWER 3 OF 12 BEILSTEIN COPYRIGHT 2002 BEILSTEIN CDS MDL

Beilstein Records (BRN):	8596110
Chemical Name (CN):	<2-(9H-fluoren-9-ylmethoxycarbonylamino)-3-phenyl-propyl>-carbamic acid 2,5-dioxo-pyrrolidin-1-yl ester
Autonom Name (AUN):	<2-(9H-fluoren-9-ylmethoxycarbonylamino)-3-phenyl-propyl>-carbamic acid 2,5-dioxo-pyrrolidin-1-yl ester
Molec. Formula (MF):	C29 H27 N3 O6
Molecular Weight (MW):	513.55
Lawson Number (LN):	25671, 14535, 5573, 1762
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	7284645
Tautomer ID (TAUTID):	8096979
Entry Date (DED):	2000/10/24
Update Date (DUPD):	2000/10/24

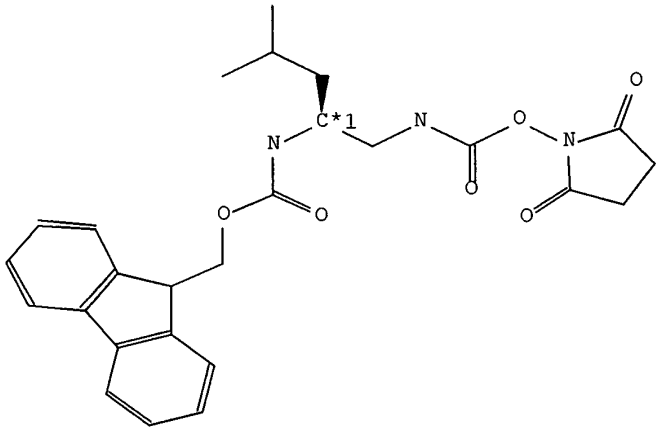


Reference(s):

1. Guichard, Gilles; Semetey, Vincent; Rodriguez, Marc; Briand, Jean-Paul, Tetrahedron Lett., CODEN: TELEAY, 41(10), <2000>, 1553 - 1558; BABS-6233843

L7 ANSWER 4 OF 12 BEILSTEIN COPYRIGHT 2002 BEILSTEIN CDS MDL

Beilstein Records (BRN):	8593130
Chemical Name (CN):	<2-(9H-fluoren-9-ylmethoxycarbonylamino)-4-methyl-pentyl>-carbamic acid 2,5-dioxo-pyrrolidin-1-yl ester
Autonom Name (AUN):	<2-(9H-fluoren-9-ylmethoxycarbonylamino)-4-methyl-pentyl>-carbamic acid 2,5-dioxo-pyrrolidin-1-yl ester
Molec. Formula (MF):	C26 H29 N3 O6
Molecular Weight (MW):	479.53
Lawson Number (LN):	25671, 5573, 3048, 1762
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	7283153
Tautomer ID (TAUTID):	8096101
Entry Date (DED):	2000/10/24
Update Date (DUPD):	2000/10/24

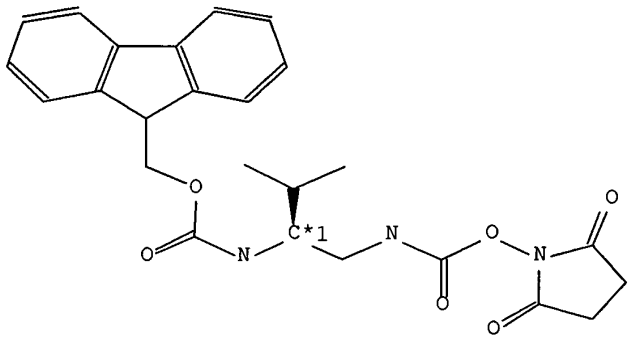


Reference(s):

1. Guichard, Gilles; Semetey, Vincent; Rodriguez, Marc; Briand, Jean-Paul, Tetrahedron Lett., CODEN: TELEAY, 41(10), <2000>, 1553 - 1558; BABS-6233843

L7 ANSWER 5 OF 12 BEILSTEIN COPYRIGHT 2002 BEILSTEIN CDS MDL

Beilstein Records (BRN):	8591827
Chemical Name (CN):	<2-(9H-fluoren-9-ylmethoxycarbonylamino)-3-methyl-butyl>-carbamic acid 2,5-dioxo-pyrrolidin-1-yl ester
Autonom Name (AUN):	<2-(9H-fluoren-9-ylmethoxycarbonylamino)-3-methyl-butyl>-carbamic acid 2,5-dioxo-pyrrolidin-1-yl ester
Molec. Formula (MF):	C25 H27 N3 O6
Molecular Weight (MW):	465.50
Lawson Number (LN):	25671, 5573, 3047, 1762
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	7281096
Tautomer ID (TAUTID):	8095337
Entry Date (DED):	2000/10/24
Update Date (DUPD):	2000/10/24

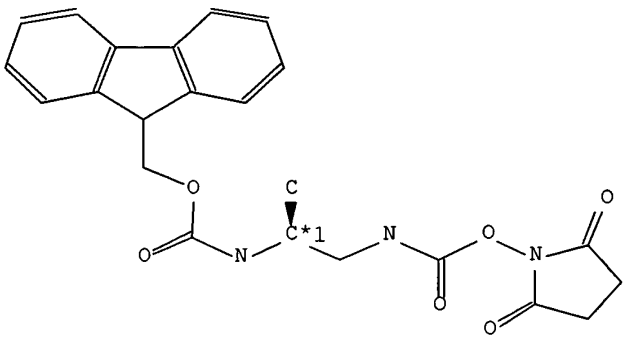


Reference(s):

1. Guichard, Gilles; Semetey, Vincent; Rodriguez, Marc; Briand, Jean-Paul, Tetrahedron Lett., CODEN: TELEAY, 41(10), <2000>, 1553 - 1558; BABS-6233843

L7 ANSWER 6 OF 12 BEILSTEIN COPYRIGHT 2002 BEILSTEIN CDS MDL

Beilstein Records (BRN):	8589843
Chemical Name (CN):	<2-(9H-fluoren-9-ylmethoxycarbonylamino)-propyl>-carbamic acid 2,5-dioxo-pyrrolidin-1-yl ester
Autonom Name (AUN):	<2-(9H-fluoren-9-ylmethoxycarbonylamino)-propyl>-carbamic acid 2,5-dioxo-pyrrolidin-1-yl ester
Molec. Formula (MF):	C23 H23 N3 O6
Molecular Weight (MW):	437.45
Lawson Number (LN):	25671, 5573, 3028, 1762
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	7279295
Tautomer ID (TAUTID):	8094868
Entry Date (DED):	2000/10/24
Update Date (DUPD):	2000/10/24

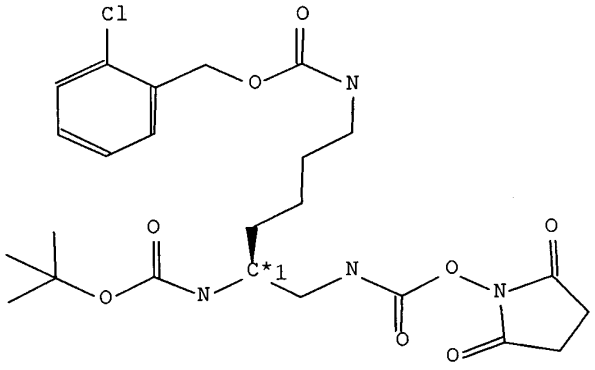


Reference(s):

1. Guichard, Gilles; Semetey, Vincent; Rodriguez, Marc; Briand, Jean-Paul, Tetrahedron Lett., CODEN: TELEAY, 41(10), <2000>, 1553 - 1558; BABS-6233843

L7 ANSWER 7 OF 12 BEILSTEIN COPYRIGHT 2002 BEILSTEIN CDS MDL

Beilstein Records (BRN):	8459107
Chemical Name (CN):	(S)-O-succinimidyl-2-(tert-butoxycarbonylamino)-6-(2-chlorobenzyloxycarbonylamino)hexanoylcarbamate
Autonom Name (AUN):	<5-tert-butoxycarbonylamino-6-(2,5-dioxo-pyrrolidin-1-yloxycarbonylamino)-hexyl>-carbamic acid 2-chloro-benzyl ester
Molec. Formula (MF):	C24 H33 Cl N4 O8
Molecular Weight (MW):	541.00
Lawson Number (LN):	25671, 5229, 3111, 1762, 318
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	7175871
Tautomer ID (TAUTID):	7974775
Entry Date (DED):	2000/05/16
Update Date (DUPD):	2000/05/16

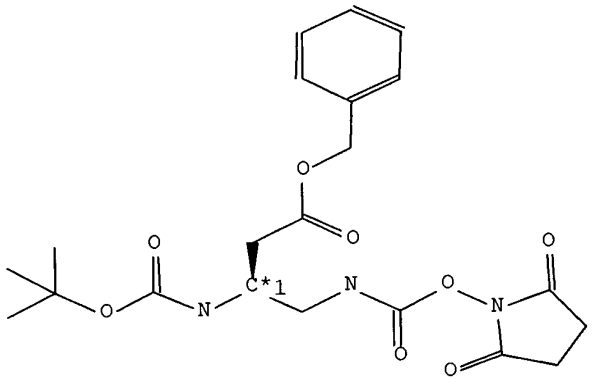


Reference(s):

1. Guichard, Gilles; Semetey, Vincent; Didierjean, Claude; Aubry, Andre; Briand, Jean-Paul; Rodriguez, Marc, J.Org.Chem., CODEN: JOCEAH, 64(23), <1999>, 8702 - 8705; BABS-6206565

L7 ANSWER 8 OF 12 BEILSTEIN COPYRIGHT 2002 BEILSTEIN CDS MDL

Beilstein Records (BRN):	8449483
Chemical Name (CN):	(S)-O-succinimidyl-3-(benzyloxycarbonyl)-2-(tert-butoxycarbonylamino)propylcarbamate
Autonom Name (AUN):	3-tert-butoxycarbonylamino-4-(2,5-dioxo-pyrrolidin-1-yloxycarbonylamino)-butyric acid benzyl ester
Molec. Formula (MF):	C21 H27 N3 O8
Molecular Weight (MW):	449.46
Lawson Number (LN):	25671, 5228, 3398, 1762, 318
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	7167456
Tautomer ID (TAUTID):	7972673
Entry Date (DED):	2000/05/16
Update Date (DUPD):	2000/05/16

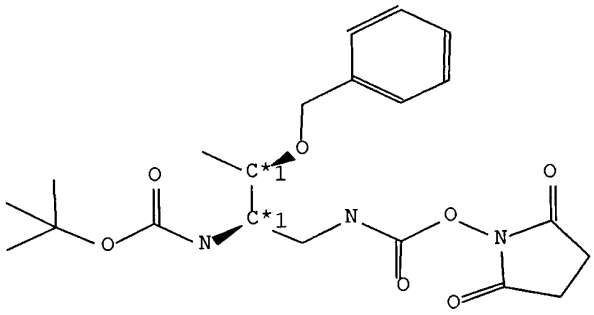


Reference(s):

1. Guichard, Gilles; Semetey, Vincent; Didierjean, Claude; Aubry, Andre; Briand, Jean-Paul; Rodriguez, Marc, J.Org.Chem., CODEN: JOCEAH, 64(23), <1999>, 8702 - 8705; BABS-6206565

L7 ANSWER 9 OF 12 BEILSTEIN COPYRIGHT 2002 BEILSTEIN CDS MDL

Beilstein Records (BRN):	8447291
Chemical Name (CN):	(2R,3R)-O-succinimidyl-3-(benzyloxy)-2-(tert-butoxycarbonylamino)propylcarbamate
Autonom Name (AUN):	<2-benzyloxy-1-<(2,5-dioxo-pyrrolidin-1-yloxycarbonylamino)-methyl>-propyl>-carbamic acid tert-butyl ester
Molec. Formula (MF):	C21 H29 N3 O7
Molecular Weight (MW):	435.48
Lawson Number (LN):	25671, 5228, 3142, 1762, 318
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	7165502
Tautomer ID (TAUTID):	7968655
Entry Date (DED):	2000/05/16
Update Date (DUPD):	2000/05/16

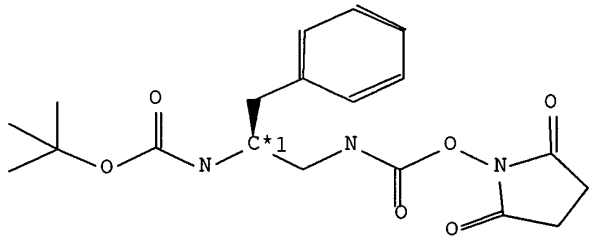


Reference(s):

1. Guichard, Gilles; Semetey, Vincent; Didierjean, Claude; Aubry, Andre; Briand, Jean-Paul; Rodriguez, Marc, J.Org.Chem., CODEN: JOCEAH, 64(23), <1999>, 8702 - 8705; BABS-6206565

L7 ANSWER 10 OF 12 BEILSTEIN COPYRIGHT 2002 BEILSTEIN CDS MDL

Beilstein Records (BRN):	8441309
Chemical Name (CN):	(S)-O-succinimidyl-2-(tert-butoxycarbonylamino)-4-phenylpropylcarbamate
Autonom Name (AUN):	(2-tert-butoxycarbonylamino-3-phenyl-propyl)-carbamic acid 2,5-dioxo-pyrrolidin-1-yl ester
Molec. Formula (MF):	C19 H25 N3 O6
Molecular Weight (MW):	391.42
Lawson Number (LN):	25671, 14535, 1762, 318
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	7162005
Tautomer ID (TAUTID):	7967470
Entry Date (DED):	2000/05/16
Update Date (DUPD):	2000/05/16

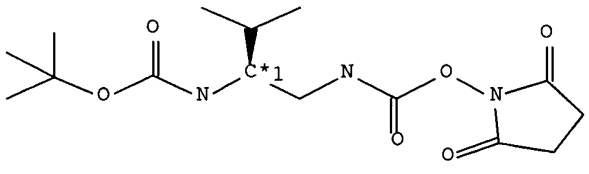


Reference(s):

1. Guichard, Gilles; Semetey, Vincent; Didierjean, Claude; Aubry, Andre; Briand, Jean-Paul; Rodriguez, Marc, J.Org.Chem., CODEN: JOCEAH, 64(23), <1999>, 8702 - 8705; BABS-6206565

L7 ANSWER 11 OF 12 BEILSTEIN COPYRIGHT 2002 BEILSTEIN CDS MDL

Beilstein Records (BRN):	8435642
Chemical Name (CN):	(S)-O-succinimidyl-2-(tert-butoxycarbonylamino)-3-methylpropylcarbamate
Autonom Name (AUN):	<1-<(2,5-dioxo-pyrrolidin-1-yloxycarbonylamino)-methyl>-2-methyl-propyl>-carbamic acid tert-butyl ester
Molec. Formula (MF):	C15 H25 N3 O6
Molecular Weight (MW):	343.38
Lawson Number (LN):	25671, 3047, 1762, 318
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	7155260
Tautomer ID (TAUTID):	7964272
Entry Date (DED):	2000/05/16
Update Date (DUPD):	2000/05/16

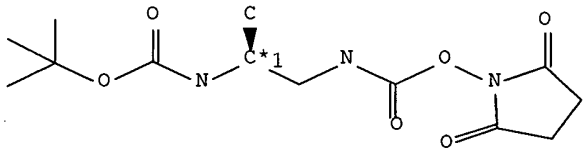


Reference(s):

1. Guichard, Gilles; Semetey, Vincent; Didierjean, Claude; Aubry, Andre; Briand, Jean-Paul; Rodriguez, Marc, J.Org.Chem., CODEN: JOCEAH, 64(23), <1999>, 8702 - 8705; BABS-6206565

L7 ANSWER 12 OF 12 BEILSTEIN COPYRIGHT 2002 BEILSTEIN CDS MDL

Beilstein Records (BRN):	8430277
Chemical Name (CN):	(S)-O-succinimidyl-2-(tert-butoxycarbonylamino)propylcarbamate
Autonom Name (AUN):	<2-(2,5-dioxo-pyrrolidin-1-yloxycarbonylamino)-1-methyl-ethyl>-carbamic acid tert-butyl ester
Molec. Formula (MF):	C13 H21 N3 O6
Molecular Weight (MW):	315.33
Lawson Number (LN):	25671, 3028, 1762, 318
File Segment (FS):	Stereo compound
Compound Type (CTYPE):	heterocyclic
Constitution ID (CONSID):	7152522
Tautomer ID (TAUTID):	7963446
Entry Date (DED):	2000/05/16
Update Date (DUPD):	2000/05/16



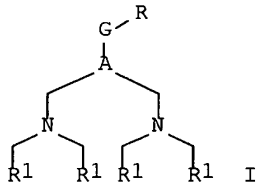
Reference(s):

1. Guichard, Gilles; Semetey, Vincent; Didierjean, Claude; Aubry, Andre; Briand, Jean-Paul; Rodriguez, Marc, J.Org.Chem., CODEN: JOCEAH, 64(23), <1999>, 8702 - 8705; BABS-6206565

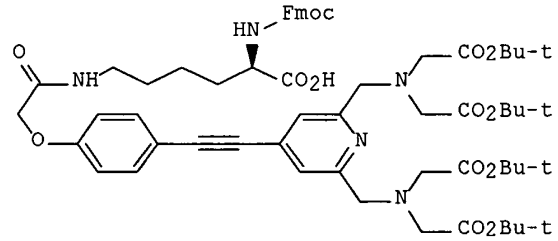
L10 ANSWER 1 OF 3 MARPAT COPYRIGHT 2002 ACS
AN 132:64173 MARPAT
TI Preparation of labeling reactants for fluorescent labeling of biospecific
binding reactants
IN Takalo, Harri; Hovinen, Jari; Mukkala, Veli-matti; Liitti, Pivi; Mikola, Heikki
PA Wallac Oy, Finland
SO Eur. Pat. Appl., 26 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 967205	A1	19991229	EP 1999-660100	19990603
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6080839	A	20000627	US 1998-104219	19980625

PRAI US 1998-104219 19980625
OS CASREACT 132:64173
GI



I

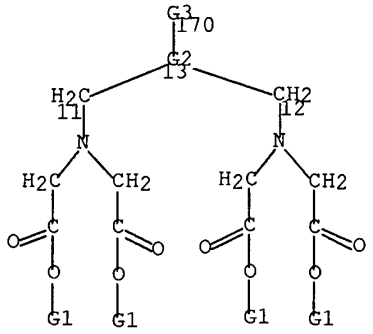


II

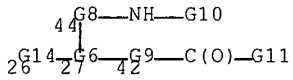
AB Novel pyridinediylbis(methylenenitrilo)tetrakisacetic acid labeling reactants, suitable for fluorescent labeling of biospecific binding reactants in solid-phase synthesis, were prepd. The novel labeling reactants (I) [wherein A = a bivalent arom. structure capable of absorbing light or energy and transferring the excitation energy to a lanthanide ion after the product made by solid-phase synthesis has been released from the used solid support, deprotected, and converted to a lanthanide chelate; R = -Z(G1-NH-X)G2-E; X = a transient protecting group, e.g. 2-(4-nitrophenylsulfonyl)ethoxycarbonyl, trityl, 4-methoxytrityl, 4,4'-dimethoxytrityl, BOC, Fmoc; E = a carboxylic acid, its salt, active ester (e.g. N-hydroxysuccinimido, nitrophenol, 2,4-dinitrophenol, or pentafluorophenol), or halide; Z = the bridge point; G = a bridge between

A and Z; G1 = a bridge between NH and Z; G2 = a bridge between E and Z; R1
= CO2R2; R2 = alkyl or (un)substituted Ph or benzyl] are particularly useful in the labeling of small mols. Thus, II was prepd. in a 4-step sequence involving (1) desilylation of Me (4-trimethylsilylethynylphenoxy)
acetate (83%), (2) addn. to tetra(tert-Bu) 2,2',2'',2'''-[(4-bromopyridine-
2,6-diyl)bis(methylenenitrilo)]tetrakis(acetate) (75%), (3) deesterification of the phenoxyacetate with KOH (67%), and (4) amidation with .alpha.-Fmoc-lysine.HCl (56%). II was used for labeling of an estradiol deriv., incorporating four Eu(III) chelates, on a solid support
(no data).

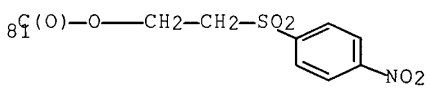
MSTR 1A



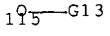
G3 = 26



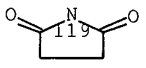
G6 = N
G8 = alkylene<(1-12)>
G10 = 81



G11 = 115



G13 = 119



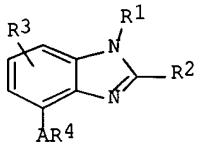
DER: or salts
MPL: claim 1

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 3 MARPAT COPYRIGHT 2002 ACS
AN 126:293352 MARPAT
TI Preparation of benzimidazoles for the prevention and/or the treatment of bone diseases
IN Oku, Teruo; Kawai, Yoshio; Yatabe, Takumi; Sato, Shigeki; Yamazaki, Hitoshi; Kayakiri, Natsuko; Yoshihara, Kousei
PA Fujisawa Pharmaceutical Co., Ltd., Japan; Oku, Teruo; Kawai, Yoshio; Yatabe, Takumi; Sato, Shigeki; Yamazaki, Hitoshi; Kayakiri, Natsuko; Yoshihara, Kousei
SO PCT Int. Appl., 146 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9710219	A1	19970320	WO 1996-JP2530	19960905
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 863881	A1	19980916	EP 1996-929540	19960905
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
JP 11513364	T2	19991116	JP 1996-511824	19960905

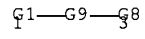
PRAI GB 1995-18552 19950911
WO 1996-JP2530 19960905
GI



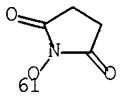
I

AB The title compds. [I; R1 = acyl, (un)substituted lower alkenyl, lower alkyl; R2 = H, lower alkyl, lower alkoxy, etc.; R1R2 = lower alkylene, lower alkenylene (may include O, S, NH, N-alkyl); R3 = H, halo; R4 = (un)substituted heterocyclyl, aryl; A = CONR9, N(R10)CO (wherein R9, R10 = H, (un)substituted lower alkyl)], and their pharmaceutically acceptable salts, inhibitors of bone resorption and bone metab., were prepd. Thus, hydrogenation of 1,2-dimethyl-4-nitro-1H-benzimidazole over 10% Pd/C in MeOH followed by reaction of the resulting 4-amino-1,2-dimethyl-1H-benzimidazole with 2,6-dichlorobenzoyl chloride in the presence of Et3N in ethylene chloride afforded I [R1, R2 = Me; R3 = H; R4 = 2,6-Cl2C6H3; A = NHCO]. Compds. I are effective at 0.1-1000 mg/body/day.

MSTR 1



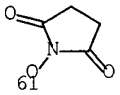
G17 = 61 / alkylamino<(1-6)> (SR (2) PO3H2)



DER: and pharmaceutically acceptable salts
MPL: claim 1
NTE: also incorporates claim 4

MSTR 2

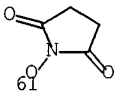
G17 = 61 / alkylamino<(1-6)> (SR (2) PO3H2)



DER: and pharmaceutically acceptable salts
MPL: claim 1

MSTR 3

G17 = 61 / alkylamino<(1-6)> (SR (2) PO3H2)



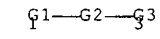
DER: or reactive derivatives or salts
MPL: claim 4

L10 ANSWER 3 OF 3 MARPAT COPYRIGHT 2002 ACS
AN 120:212035 MARPAT
TI Universal standard reagents for analyzing compounds having functional groups, method of preparing same, and use thereof
IN Patchornik, Avraham
PA Patchornik, Zipora, Israel
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

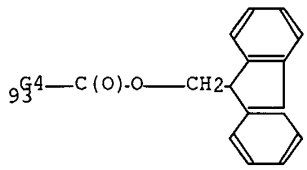
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9401771	A1	19940120	WO 1993-US6980	19930714
	W: AT, AU, BB, BG, BR, BY, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, US, VN				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	IL 102495	A1	19980615	IL 1992-102495	19920714
	AU 9347844	A1	19940131	AU 1993-47844	19930714
	EP 650595	A1	19950503	EP 1993-918367	19930714
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	JP 08505220	T2	19960604	JP 1993-503596	19930714
	US 5576216	A	19961119	US 1995-362519	19950105
PRAI	IL 1992-102495	19920714			
	WO 1993-US6980	19930714			

AB A universal std. chem. reagent is described for quant. visual and spectrometric anal. of compds. having reactive functional groups, including mixts. and homologs of the compds. The reagent comprises compd.
Q-B-f (Q = org. moiety which can be measured quant., visually by color, spectroscopically, or fluorometrically; B = nonreactive org. bridging unit
linking Q to a reactive functional group f, the bridging unit being of sufficient length or size to prevent any possible interaction of Q that might alter its spectroscopic properties even upon derivatization; f = reactive group which can react with a compd. to form covalently bonded derivs.). Chlorodinitrobenzene was reacted with 3-aminopropanol in MeOH to make DNPNH(CH2)3OH (I). I enabled the prediction of the existence of self-catalytic reactions in acetylated glucose. DNPNH(CH2)3NHNH2 was used
to analyze a triglyceride.

MSTR 1C

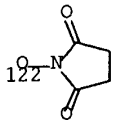


G1 = 93



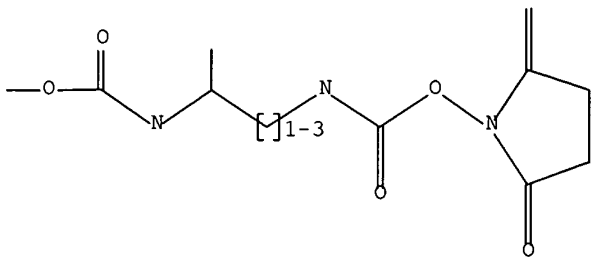
G3 = 115

G4 = NH
G5 = alkylene<(2-3)>
G6 = NH
G9 = 122



MPL: claim 1

=> d l1; d his; log y
L1 HAS NO ANSWERS
L1 STR



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